INTERNATIONAL SEARCH REPORT

International application No. PCT/JP02/10548

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A. CLAS	SIFICATION OF SUBJECT MATTER		
Int.	Cl ⁷ H01S5/062	•	
		1100	
According	o International Patent Classification (IPC) or to both na	itional classification and IPC	
B FIELD	S SEARCHED		
	ocumentation searched (classification system followed	by classification symbols)	
	Cl ⁷ H01S5/00-5/50		
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			in the fields spenhad
	tion searched other than minimum documentation to the	Toroku Jitsuyo Shinan Koh	n 1994–2002
Jits	uyo Shinan Koho 1940-1996 i Jitsuyo Shinan Koho 1971-2002	Jitsuyo Shinan Toroku Koh	1996-2002
			<u> </u>
Electronic	lata base consulted during the international search (nam	e of data base and, where practicable, sea	rch terms used)
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C. DOCL	MENTS CONSIDERED TO BE RELEVANT		
C. DOCC	T		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y	JP 9-83442 A (Oki Electric I	ndustry Co., Ltd.),	1-7,9
Α	28 March, 1997 (28.03.97),		8,10-11
	Full text; all drawings		
	(Family: none)		,
·		·	1-7,9
Y	JP 6-45675 A (Sony Corp.),	:	8,10-11
A	18 February, 1994 (18.02.94),		0,10-11
İ	Full text; all drawings		
	(Family: none)		
	JP 2001-36187 A (Sony Corp.)		1-7,9
Y A	09 February, 2001 (09.02.01),		8,10-11
•	Full text; all drawings		
	(Family: none)		
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CV Suel	er documents are listed in the continuation of Box C.	See patent family annex.	
• Specia	l categories of cited documents: ent defining the general state of the art which is not	"T" later document published after the into priority date and not in conflict with the	rnational filing date or ne application but cited to
consid	ered to be of particular relevance	understand the principle or theory und	erlying the invention
	document but published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be conside	claimed invention cannot be
date "L" docum	ent which may throw doubts on priority claim(s) or which is	step when the document is taken alone	
cited t	o establish the publication date of another citation or other	"Y" document of particular relevance; the considered to involve an inventive ste	claimed invention cannot be
"O" docum	I reason (as specified) tent referring to an oral disclosure, use, exhibition or other	combined with one or more other such	documents, such
means		combination being obvious to a person	skilled in the art
"P" docum	ent published prior to the international filing date but later priority date claimed	"&" document member of the same patent	iamily .
	actual completion of the international search	Date of mailing of the international sear	ch report
26	December, 2002 (26.12.02)	28 January, 2003 (2	28.01.03)
		Australia d'ass	<u> </u>
	nailing address of the ISA/	Authorized officer	
Japa	nnese Patent Office		
Faccimile N	<u>, </u>	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	JP 11-40855 A (Sharp Corp.),	1-7,9
A	12 February, 1999 (12.02.99),	8,10-11
. 1	Full text; all drawings (Family: none)	
	(Family: none)	
Y	JP 63-67791 A (NEC Corp.),	1-7,9
Ā	26 March, 1988 (26.03.88),	8,10-11
- 1	Full text; all drawings	
·	(Family: none)	
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Y	JP 58-182144 A (Hitachi, Ltd.),	1-7,9
Α	25 October, 1983 (25.10.83),	8,10-11
	Full text; all drawings (Family: none)	
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A	JP 252756 A (Canon Inc.),	1-11
	14 September, 2000 (14.09.00),	_
, [Full text; all drawings	
	(Family: none)	
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A	EP 0909973 A2 (FUJITSU LTD.),	1-11
ĺ	21 April, 1999 (21.04.99), Full text; all drawings	
	& JP 11-119175 A	
·	& OF 11-119175 A	•
P	JP 2002-64433 A (Matsushita Electric Industrial	1-11
	Co., Ltd.),	
	28 February, 2002 (28.02.02),	•
	Full text; all drawings	
	Full text; all drawings	